ELSEVIER

Colloids and Surfaces
A: Physicochemical and Engineering Aspects 160 (1999) 331–332

COLLOIDS AND SURFACES A

Contents of Volume 160

Vol. 160 No. 1

Preface
C. La Mesa (Roma, Italy) 1

Effect of 1-alcohols on micelle formation and protein folding
S. Cinelli, G. Onori and A. Santucci (Perugia, Italy) 3
Study of the growth of ZnS nanoparticles in water/AOT/n-heptane microemulsions by UV-absorption spectroscopy
P. Calandra, M. Goffredi and V.T. Liveri (Palermo, Italy) 9
Formation of reverse hexagonal phase in water-polyoxyethylene oleyl ether system
H. Kunieda, Y. Yamaguchi, K. Ozawa (Yokohama, Japan) and M. Suzuki (Amagasaki, Japan) 15
Microemulsions and emulsions in DDAB/W/oil systems
M. Olla, M. Monduzzi (Monserrato, Italy) and L. Ambrosone (Campobasso, Italy) 23
Binding of surfactants onto polymers: a kinetic model
C. La Mesa (Rome, Italy) 37
Counterion effect on the phase behavior of perfluoropolyether carboxylates: micelles and liquid crystals in water
F. Caboi (Monserrato-Cagliari, Italy), A. Chittofrati, P. Lazzari (Milano, Italy) and M. Monduzzi (Monserrato-Cagliari, Italy) 47

Calendar 57

Vol. 160 No. 2

Preface
V.Y. Traskine 59
Concepts of Rehbinder's school and modern theories of spreading
B.D. Summ (Moscow, Russia) and V.M. Samsonov (Tver, Russia) 63
Thermodynamics of dispergation: development of Rehbinder's ideas
A.I. Rusanov (St Petersburg, Russia) 79
Development of the Rehbinder's concept on structure-mechanical barrier in stability of dispersions stabilized with proteins
V.N. Izmailova, G.P. Yampolskaya and Z.D. Tulovskaya (Moscow, Russia) 89
Rehbinder's predictions and advances in mechanochemistry
P. Butyagin (Moscow, Russia) 107
Investigation of the microdrop surface tension and the linear tension of the wetting perimeter on the basis of similarity concepts and the thermodynamic perturbation theory
V.M. Samsonov, L.M. Shcherbakov, A.R. Novoselov and A.V. Lebedev (Tver, Russia) 117
New X-ray method for investigation of mass transport in disperse porous systems
G.M. Plavnik, T.P. Purjaeva and G.N. Chrustaleva (Moskow, Russia) 123
Molecular interaction of disk-shaped colloidal particles
V.I. Fedodeyev (Moscow, Russia) 129
Effect of soil electroosmotic flow enhancement by chelating reagents
K. Popov (Moscow, Russia), V. Yachmenev (New Orleans, USA), A. Kolosov and N. Shabanova (Moscow, Russia) 135
Water influence on the surfactant adsorption on TiO_2
I.A. Polunina, A.A. Isirikyan, K.E. Polounine and S.S. Mikhailova (Moscow, Russia) 141
Reversible and irreversible evincing of Rehbinder effect in polymer systems
Y.P. Ageev, M.A. Golub and N.N. Matushkina (Moscow, Russian Federation) 147
The Rehbinder effect for fiber/polymer adhesive joints
Y.A. Gorbatkina and V.G. Ivanova-Mumjieva (Moscow, Russia) 155
Investigation of residual internal stresses of the I and II modes in cement-hardening structures
L.M. Rybakova, E.A. Amelina, L.I. Kuksenova and E.D. Shchukin (Moscow, Russia) 163
Aggregate structure and percolation properties of metal-filled polymer films
V.V. Vysotsky and V.I. Roldughin (Moscow, Russia) 171

Vol. 160 No. 3

The interactions of saturated fatty acids at the dodecane/water interface and their sodium salts at the air/water interface
W. Zwierzykowski and D. Konopacka-Łyskawa (Gdañsk, Poland) 183
Effect of polymer adsorption on PEO-coated latex particles during salt-induced aggregation
A. Di Biasio (Camerino, Italy), F. Bordi and C. Cametti (Roma, Italy). 189
The effects of cis–trans configuration of cyclohexane multi-carboxylic acids on colloidal forces in dispersions: steric, hydrophobic and bridging
A.V.M. Chandramalar, Y.Y. Lim (Kuala Lumpur, Malaysia) and Y.K. Leong (Singapore, Singapore). 199
Removal of heavy metal ions from aqueous solutions by alkaline-earth metal phosphates
I.L. Shashkova, A.I. Rat'ko and N.V. Kitikova (Minsk, Belarus) 207
Dissolution of the barite (001) surface by the chelating agent DTPA as studied with non-contact atomic force microscopy
K.-S. Wang, R. Resch, K. Dunn (Los Angeles, CA, USA), P. Shuler, Y. Tang (La Habra, CA, USA), B.E. Koel and T. Fu Yen (Los Angeles, CA, USA) 217
Solution behaviour of a formate capped surfactant—the oxidation product of an alcohol ethoxylate
I. Blute, M. Svensson, K. Holmberg (Stockholm, Sweden), M. Bergh and A.-T. Karlberg (Solna, Sweden) 229
Titration microcalorimetry of poly(vinylpyrrolidone) and sodium dodecylbenzenesulphonate in aqueous solutions
L.H. Torn, A. de Keizer, L.K. Koopal and J. Lyklema (Wageningen, The Netherlands) 237
Sorption of 2-naphthol and copper ions by cationic surfactant-adsorbed laponite
K. Esumi, K. Yoshida, K. Torigoe (Tokyo, Japan) and Y. Koide (Kumamoto, Japan). 247
Surface characterization of silica-supported cobalt oxide catalysts
G.A.H. Mekhemer, H.M.M. Abd-Allah and S.A.A. Mansour (El-Minia, Egypt). 251
Linear sweep voltammetry of 9-β-D-ribofuranosyluric acid 5′-monophosphate in aqueous and micellar media
R.N. Goyal and A. Rastogi (Roorkee, India) 261
In situ AFM study of sorbed humic acid colloids at different pH
M. Plaschke, J. Römer, R. Klenze and J.I. Kim (Karlsruhe, Germany) 269
Synthesis of spherical nanoparticles of $Cu_2L_2O_5$ (L = Ho, Er) from W/O microemulsions
F. Porta, C. Bifulco, P. Fermo, C.L. Bianchi, M. Fadoni and L. Prati (Milan, Italy). 281
Blocking and ripening of colloids in porous media and their implications for bacterial transport
T.A. Camesano, K.M. Unice and B.E. Logan (University Park, PA, USA). 291

Errata 309
Book Review 321
Calendar 325
Author Index 327
Subject Index 329
Contents of Volume 160. 331